

Datalogic Scanning, Inc.
959 Terry Street
Eugene, Oregon 97402
USA
Telephone: (541) 683-5700
Fax: (541) 345-7140

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DISCLAIMER

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SERVICE AND SUPPORT

Datalogic provides several services as well as technical support through its website. Log on to www.scanning.datalogic.com and click on the links indicated for further information including:

- **PRODUCTS**
Search through the links to arrive at your product page where you can download specific **Manuals** and **Software & Utilities** including:
 - **Datalogic Aladdin™**, a multi-platform utility program that allows device configuration using a PC. It provides RS-232 interface configuration as well as configuration barcode printing.
- **SERVICE & SUPPORT**
 - **Technical Support** - Product documentation and programming guides and Technical Support Department in the world
 - **Service Programs** - Warranty Extensions and Maintenance Agreements
 - **Repair Services** - Flat Rate Repairs and Return Material Authorization (RMA) Repairs.
- **CONTACT US**
Information Request Form and Sales & Service Network

WARRANTY

Datalogic warranties this product against defects in workmanship and materials, for a period of 3 years from the date of shipment, provided that the product is operated under normal and proper conditions.

Datalogic has the faculty to repair or replace the product; these provisions do not prolong the original warranty term.

The warranty does not apply to any product that has been subject to misuse, accidental damage, unauthorized repair or tampering.

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POWERSCAN Dxxx

e tutti i suoi modelli
and all its models
et tous ses modèles
und seine Modelle
y todos sus modelos

sono conformi alle Direttive del Consiglio Europeo sottoelencate:
are in conformity with the requirements of the European Council Directives listed below:
sont conformes aux spécifications des Directives de l'Union Européenne ci-dessous:
den nachstehenden angeführten Directiven des Europäischen Rates:
cumple con los requisitos de las Directivas del Consejo Europeo, según la lista siguiente:

89/336/EEC EMC Directive e 92/31/EEC, 93/68/EEC emendamenti successivi
and et further amendments
et und ses successifs aménements
y y spätere Änderungen
succesivas enmiendas

Basate sulle legislazioni degli Stati membri in relazione alla compatibilità elettromagnetica ed alla sicurezza dei prodotti.

On the approximation of the laws of Member States relating to electromagnetic compatibility and product safety.

Basée sur la législation des Etats membres relative à la compatibilité électromagnétique et à la sécurité des produits.

Über die Annäherung der Gesetze der Mitgliedsstaaten in bezug auf elektromagnetische Verträglichkeit und Produktsicherheit entsprechen.

Basado en la proximación de las leyes de los Países Miembros respecto a la compatibilidad electromagnética y las Medidas de seguridad relativas al producto.

Questa dichiarazione è basata sulla conformità dei prodotti alle norme seguenti:

This declaration is based upon compliance of the products to the following standards:

Cette déclaration repose sur la conformité des produits aux normes suivantes:

Diese Erklärung basiert darauf, daß das Produkt den folgenden Normen entspricht:

Esta declaración se basa en el cumplimiento de los productos con las siguientes normas:

EN 55022 (CLASS A ITE), August 1994;
AMENDMENT A1 (CLASS A ITE), October 2000;

LIMITS AND METHODS OF MEASUREMENTS OF RADIO DISTURBANCE CHARACTERISTICS OF INFORMATION TECHNOLOGY EQUIPMENT

EN 61000-6-2, October 2001;

EMIETROMAGNETIC COMPATIBILITY (EMC).
PART 6-2: GENERIC STANDARDS - IMMUNITY FOR INDUSTRIAL ENVIRONMENTS.

March 1st, 2007

DATALOGIC™

PowerScan™ D8330

READERS

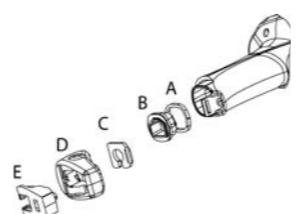
QUICK REFERENCE GUIDE



820001942 (Rev. F)

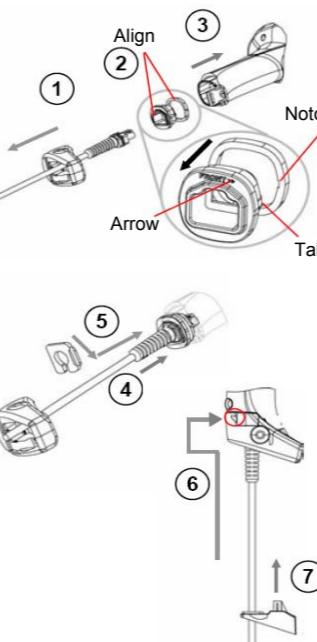
CONNECTIONS

CONNECTING THE CABLE



A. Rubber gasket
B. Plastic boot
C. Cable spacer
D. Cover
E. Strain relief

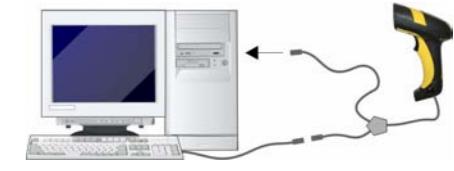
1. Slip the cover over the cable.
2. Push the plastic boot into the rubber gasket. Take care that the tab on the plastic boot is aligned with the notch in the rubber gasket.
3. Push the plastic boot and gasket into the handle. Ensure that the "Front" marking on the plastic boot is facing out, with the arrow pointing towards the front of the scanner.
4. Insert the cable into the socket of the plastic boot.
5. Insert the cable spacer into the cable wire and slide it towards the handle.
6. Push the cover along the cable towards the reader, and hook it over the yellow "tooth".
7. Insert the strain relief into the cover and tighten the screw to fix the whole assembly to the reader handle.



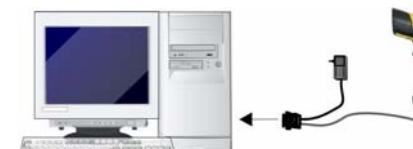
USB.



WEDGE



RS-232



PEN



UPDATES AND LANGUAGE AVAILABILITY

UK/US

The latest drivers and documentation updates for this product are available on Internet.

Log on to: www.scanning.datalogic.com

I

Su Internet sono disponibili le versioni aggiornate di driver e documentazione di questo prodotto.

Collegarsi a: www.scanning.datalogic.com

D

Im Internet finden Sie die aktuellsten Versionen der Treiber und Dokumentation für dieses Produkt.

Adresse : www.scanning.datalogic.com

F

Les versions mises à jour de drivers et documentation de ce produit sont disponibles sur Internet. Cliquez sur : www.scanning.datalogic.com

E

En Internet están disponibles las versiones actualizadas de los drivers y documentación de este producto.

Dirección Internet : www.scanning.datalogic.com

COMPLIANCE

LASER SAFETY COMPLIANCE

The laser scanner conforms to the applicable requirements of both CDRH 21 CFR 1040 and EN60825-1 at the date of manufacture.

The laser light is visible to the human eye and is emitted from the output window (1).

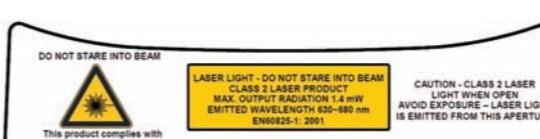


Laser warning and classification label (2).

CAUTION:
Use of controls or adjustments or performance of procedures other than those specified herein may result in exposure to hazardous visible laser light.

The laser scanner utilizes a low-power laser diode. Although staring directly at the laser beam momentarily causes no known biological damage, avoid staring at the beam as one would with any very strong light source, such as the sun. Avoid that the laser beam hits the eye of an observer, even through reflective surfaces such as mirrors, etc.

The following information is shown on the laser scanner device class label:



ITALIANO LUCE LASER
NON FISSARE IL RAGGIO
APPARECCHIO LASER DI CLASSE 2

FRANÇAIS RAYON LASER
EVITER DE REGARDER LE RAYON
APPAREIL LASER DE CLASSE 2

DEUTSCH LASERSTRÄHLUNG
NICHT DEN STRAHL BLICKEN
PRODUKT DER LASERKLASSE 2

ESPAÑOL RAYO LÁSER
NO MIRAR FIJO EL RAYO
APARATO LÁSERDE CLASE 2

LED CLASS

Class 1 LED product.

This product conforms to EN60825-1:2001.

CE COMPLIANCE

Warning:

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

FCC COMPLIANCE

Modifications or changes to this equipment without the expressed written approval of Datalogic could void the authority to use the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference which may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

POWER SUPPLY

This device is intended to be connected to a UL Listed/CSA Certified computer which supplies power directly to the reader or else be supplied by a UL Listed/CSA Certified Power Unit marked "Class 2" or LPS power source rated 4 - 30 V, minimum 420 mA, which supplies power directly to the reader via the power connector of the cable.

WEEE COMPLIANCE

For information about the disposal of Waste Electrical and Electronic Equipment (WEEE), please refer to the website at www.scanning.datalogic.com.

PATENTS

Design Pat. AU 310201; AU 310202; CN 693980; CN735959; HK 0602013.5M001; HK 0602013.5M002; JP 1305693; KR 30-0460940; US D570,843 S; USD588,596 S.

US Pat. 5,992,740; 6,305,601 B1; 6,412,698 B2; 6,517,003; 6,808,114 B1; 6,997,385 B2; 7,387,246 B2; 5,103,080; 5,262,627; 5,367,151; 5,449,893; 5,545,889; 5,917,173; 5,923,025; 5,945,659; 6,098,877; 6,220,514 B1; 6,412,698 B2; 6,607,132 B1; 6,817,529 B2; 6,834,805 B2.

European Pat. 789,315 B1; 895,175 B1; 1,128,314 B1; 1,128,315 B1; 1,396,811 B1; 1,413,971 B1; 1,816,585 B1; 1,942,442 B1.

Additional patents pending.

DEFAULT VALUES

USB-KBD DEFAULT SETTINGS

USA keyboard, FIFO enabled, inter-character and inter-code delays disabled, USB keyboard speed normal.
DATA FORMAT: code identifier disabled, no field adjustment, code length not transmitted, no header, terminator = ENTER, character replacement disabled.

RS-232 Standard DEFAULT SETTINGS

9600 baud, no parity, 8 data bits, 1 stop bit, no handshaking, delay disabled, rx timeout 5 sec, ack/nack disabled, FIFO enabled, inter-character delay disabled, serial trigger lock disabled.

DATA FORMAT: code identifier disabled, no field adjustment, code length not transmitted, no header, terminator = CR-LF, character replacement disabled.

WEDGE DEFAULT SETTINGS

USA keyboard, caps lock off, caps lock auto-recognition enabled, num lock unchanged, inter-character and inter-code delays disabled, control character emulation = ctrl+shift+key.

DATA FORMAT: code identifier disabled, no field adjustment, code length not transmitted, no header, terminator = ENTER, character replacement disabled.

PEN DEFAULT SETTINGS

interpret operating mode, conversion to code 39 disabled, output level normal, idle level normal, minimum output pulse 600 µs, overflow medium, inter-block delay disabled.

CODE SELECTION

Enabled codes

- EAN 8/EAN 13 / UPC A/UPC E without ADD ON check digit transmitted, no conversions
- Interleaved 2/5 check digit control and transmission, variable length code; 4-99 characters
- Standard Code 39 no check digit control, variable length code; 1-99 characters
- Code 128 variable length code; 1-99 characters
-

Disabled codes

EAN 128, ISBT128, Code 93, Codabar, pharmaceutical codes, MSI, Code 11, Code 16K, Code 49, GS1 DataBar™ Codes

TECHNICAL FEATURES

PowerScan™ D8330/ D8330 AR

Electrical Features	PowerScan™ D8330	PowerScan™ D8330 AR
Power Supply	4 to 30 VDC	
Max. Consumption:	0.076 mm (3 mils)	0.25 mm (10 mils)
@ 4V	420 mA	500 mA
@5V	310 mA	370 mA
@30V	62 mA	70 mA
Sleep mode	4 mA	4 mA
Scan Rat	35 ± 5 scans/sec	
Reading Indicators	Good Read LED (green) Good Read Spot (green), Beeper	
Optical Features		
Reading Field (Typical performance at 20°C / 68°F on high quality barcodes)	110 cm (43.3 in) @ 55 mils	1090 cm (429.13 in) @ 100 mils reflective
Max. Resolution	0.076 mm (3 mils)	0.178 (7.5 mils)
PCS (Datalogic Test Chart)	15%	25%
Laser Features		
Power (max)	0.9 mW	1.3 mW
Scan Angle	42°	13.5° ± 0.7
Laser Safety Class	Class 2 EN 60825-1/CDRH	
Environmental Features		
Working Temperature	-30 °C to + 50 °C / -22° to +122 °F	
Storage Temperature	-30 °C to + 70 °C / -22° to +158 °F	
Humidity	90% non condensing	
Drop Resistance	IEC 68-2-32 Test ED 2 m	
Protection Class	IP65	
Mechanical Features		
Weight (without cable)	about 295 g (10.4 oz)	
Cable Length	2 m (6 ft 6 in)	

RESTORE DEFAULT

RESTORE DEFAULT



To change the defaults refer to the PowerScan™ D8330/M8330 Reference Manual, or to the Datalogic Aladdin™ Configuration program, both downloadable from the website.

INTERFACE SELECTION

Select one of the interface codes according to your application.

USB INTERFACE SELECTION

USB-KBD



USB-KBD-ALT-MODE



USB-COM*



USB-IBM Table top



USB-IBM-Hand Held



PEN EMULATION INTERFACE SELECTION

PEN



RS-232 INTERFACE SELECTION

RS-232 Standard



Nixdorf Mode A



Fujitsu



ICL Mode



WEDGE INTERFACE SELECTION

Wedge IBM AT or PS/2 PCs



PC Notebook



PC Notebook - ALT mode



IBM AT - ALT mode



Interface for IBM XT and IBM Terminals 3151, 347X and 348X can be selected from the PowerScan D8330/M8330 Reference Manual available online at <http://www.scanning.datalogic.com>.

KEYBOARD NATIONALITY

USB-KBD and Wedge users should select one of the following wedge keyboard nationality codes according to the keyboard.

Belge



Deutsch



English



Español



Français



Italiano



Svenskt



USA (Default)



Japanese



Russian (Latin)



Russian (Cyrillic)



Hungarian



Slovenian, Croatian, Serbian (Latin)



Romanian

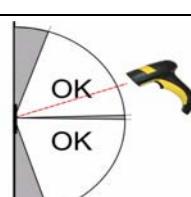


Czech Republic

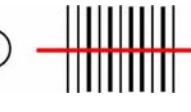
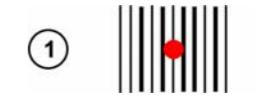


USING POWERSCAN™ D8330/D8330 AR READERS

PowerScan™ D8330 readers automatically scan barcodes at a distance. Simply aim and pull the trigger. Code scanning is performed along the scan line emitted from the reading window. This line must cross the entire code. The best reading angles are indicated in the figure below:



AIMING SYSTEM



PowerScan™ D8330 and PowerScan™ D8330 AR provide an aiming system. If enabled, a partial trigger press produces a red spot, which should be aimed over the code center to get the best reading performance, see figure (1) above. By completely pressing the trigger the scan line appears to start code scanning (2).

After setting up the reader, you can enable or disable the aiming system by reading the codes below:

Disable Aiming System (Default)



Enable Aiming System



DATA FORMAT TERMINATORS

For your convenience, some common Terminators are given below. For other Header/Terminator selections, Data Format and Advanced Data Format parameters, see the PowerScan™ D8330/M8330 Reference Manual.

CR-LF



Enter



Tab



None



OPERATING TEST

Read the TEST code below.

Code 128

